

## DECLARATION FOR PATENT APPLICATION

ATTORNEY'S DOCKET NO.: FOI SK 3.0-001 FWC CIP CONT FWC DIV

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

PRODUCTION OF HUMAN PARATHYROID HORMONE FROM MICROORGANISMS the specification of which☐ is attached hereto☒ was filed on 11/16/94 as United States Application Number or 08/340,664 and was amended on \_\_\_\_\_ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, § 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, § 119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

PRIOR FOREIGN APPLICATION(S)			
COUNTRY	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED
			YES <input type="checkbox"/> NO <input type="checkbox"/>
			YES <input type="checkbox"/> NO <input type="checkbox"/>
			YES <input type="checkbox"/> NO <input type="checkbox"/>

LISTING OF FOREIGN APPLICATIONS CONTINUED ON PAGE 2 HEREOF ☐ YES ☐ NO

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below:

Application Number:

Filing Date:

Application Number:

Filing Date:

☒ I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

Application Serial Number: 06/921,684 Filing Date: 10/22/86Status (patented, pending, abandoned): abandonedApplication Serial Number: 07/393,851 Filing Date: 8/14/89Status (patented, pending, abandoned): patentedLISTING OF US APPLICATIONS CONTINUED ON PAGE 2 HEREOF: ☒ YES ☐ NO

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

Lawrence I. Lerner, Reg. No. 19,516; Sidney David, Reg. No. 22,764; Joseph S. Littenberg, Reg. No. 20,632; Arnold H. Krumboltz, Reg. No. 25,428; William L. Mendik, Reg. No. 27,100; John R. Nelson, Reg. No. 28,573; Roy H. Weppner, Reg. No. 28,350; Stephen B. Goldman, Reg. No. 28,512; Paul H. Kochanski, Reg. No. 29,660; Marcus J. Millet, Reg. No. 28,241; Bruce H. Sales, Reg. No. 32,793; Daniel H. Bobbs, Reg. No. 18,694; Peter J. Butch II, Reg. No. 32,203; Keith E. Gitman, Reg. No. 32,137; Robert B. Cohen, Reg. No. 32,768; Arnold B. Dompiert, Reg. No. 29,736; Michael H. Teschner, Reg. No. 32,662; Jeffrey S. Dickey, Reg. No. 35,656; Gregory S. Gewirtz, Reg. No. 36,522; Jonathan A. David, Reg. No. 36,494; Shawn P. Foley, Reg. No. 33,071; Lawrence G. Fiddman, Reg. No. 31,615.

SEND CORRESPONDENCE TO:  
LERNER, DAVID, LITTENBERG,  
KRUMHOLZ & MENTLIK  
600 South Avenue West  
Westfield, New Jersey 07090

DIRECT TELEPHONE CALLS TO:  
(name and telephone number)  
MICHAEL H. TESCHNER  
(908) 654-5000

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor (given name, family name): Kaare M. GantvikInventor's signature: Kaare M. GantvikDate: 11/07/95Residence: Bregnevn 3Citizenship: NorwayPost Office Address: 0875 OsloFull name of second joint inventor, if any (given name, family name): Peter AlestromSecond Inventor's signature: Peter AlestromDate: 11/08/95Residence: Bregnevn 21ACitizenship: SwedenPost Office Address: N-0875 Oslo☒ Additional inventors are being named on separately numbered sheets attached hereto.

## PRIOR U.S. APPLICATIONS (continued)

Application Serial Number: 07/404,970 Filing Date: 9/08/89 Status (patented, pending, abandoned): abandoned

Application Serial Number: 07/821,478 Filing Date: 1/15/92 Status (patented, pending, abandoned): abandoned

Application Serial Number: 08/087,471 Filing Date: 7/2/93 Status (patented, pending, abandoned): patented

Application Serial Number: Filing Date: Status (patented, pending, abandoned):

Application Serial Number: Filing Date: Status (patented, pending, abandoned):

Application Serial Number: Filing Date: Status (patented, pending, abandoned):

PRIOR FOREIGN APPLICATION(S)			
COUNTRY	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED
			YES <input type="checkbox"/> NO <input type="checkbox"/>
			YES <input type="checkbox"/> NO <input type="checkbox"/>
			YES <input type="checkbox"/> NO <input type="checkbox"/>
			YES <input type="checkbox"/> NO <input type="checkbox"/>
			YES <input type="checkbox"/> NO <input type="checkbox"/>

Full name of third joint inventor, if any (given name, family name): Tordis Beate Oyen

Third Inventor's signature Tordis Beate Oyen Date 14.12.95

Residence: Stordamveien 33 Citizenship: Norway

Post Office Address: 0671 Oslo,  
Norway

Full name of fourth joint inventor, if any (given name, family name): Odd Stokke Gabrielsen

Fourth Inventor's signature Odd Stokke Gabrielsen Date 14.12.95

Residence: Ullernveien 16D Citizenship: Norway

Post Office Address: 0280 Oslo,  
Oslo

Full name of fifth joint inventor (given name, family name):

Fifth Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_

Residence: \_\_\_\_\_ Citizenship: \_\_\_\_\_

Post Office Address: \_\_\_\_\_

Full name of sixth joint inventor, if any (given name, family name):

Sixth Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_

Residence: \_\_\_\_\_ Citizenship: \_\_\_\_\_

Post Office Address: \_\_\_\_\_

Full name of seventh joint inventor, if any (given name, family name):

Seventh Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_

Residence: \_\_\_\_\_ Citizenship: \_\_\_\_\_

Post Office Address: \_\_\_\_\_

Full name of eighth joint inventor, if any (given name, family name):

Eighth Inventor's signature \_\_\_\_\_ Date \_\_\_\_\_

Residence: \_\_\_\_\_ Citizenship: \_\_\_\_\_

Post Office Address: \_\_\_\_\_

BEST AVAILABLE COPY

## (Patent, Design, or C-P Application)

As a below-named inventor, I hereby do at:  
 My residence, post office address and citizenship are as stated below next to my name;  
 I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below)  
 subject matter which is claimed and for which a patent is sought on the invention entitled:

## PRODUCTION OF HUMAN PARATHYROID HORMONE FROM MICROORGANISMS

the specification of which

☐ is attached hereto☒ was filed on 09/08/89

as Application Serial No. 07/404,970

and was amended on

(if applicable)

☐ was described and claimed in International Application No.

filed

and as amended on

0

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendments referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate listed below have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

## PRIOR FOREIGN APPLICATION(S)

COUNTRY	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED UNDER 35 U.S.C.
			YES <input type="checkbox"/> NO <input type="checkbox"/>
			YES <input type="checkbox"/> NO <input type="checkbox"/>
			YES <input type="checkbox"/> NO <input type="checkbox"/>

LISTING OF FOREIGN APPLICATIONS CONTINUED ON PAGE 2 HEREOF: ☐ YES ☐ NO

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and, insofar as the subject matter of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

06/921,684

October 22, 1986

abandoned

(Application Serial No.)

(Filing Date)

(Status)

(patented, pending, abandoned)

07/393,851

August 14, 1989

pending

(Application Serial No.)

(Filing Date)

(Status)

(patented, pending, abandoned)

I further attest that we intend to rely on the application as originally filed without use of figures 13, 14 and 20 or reference thereto.

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Lawrence I. Lerner, Reg. No. 19,516; Sidney David, Reg. No. 22,768; Joseph S. Littenberg, Reg. No. 20,832; Arnold H. Krumholz, Reg. No. 25,428; William L. Mand Reg. No. 27,108; John R. Nelson, Reg. No. 28,573; Roy H. Wegner, Reg. No. 28,350; Stephen B. Goldman, Reg. No. 28,512; Paul H. Kochanski, Reg. No. 29,862; Maxim H. Waldbaum, Reg. No. 29,244; Marcus J. Millet, Reg. No. 28,241; Bruce H. Sales, Reg. No. 32,793; Jack Posner, Reg. No. 19,209; Daniel H. Bobis, Reg. No. 18,694; Peter J. Butch III, Reg. No. 32,203; Keith E. Gilman, Reg. No. 32,137; and Robert B. Cohen, Reg. No. 32,768

## SEND CORRESPONDENCE TO:

LERNER, DAVID, LITTENBERG, KRUMHOLZ & MENTLIK  
 600 South Avenue West  
 Westfield, New Jersey 07090

## DIRECT TELEPHONE CALLS TO:

(name and telephone number)

(201) 654-5000

101	FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	CITY	STATE OR COUNTRY	ZIP CODE
102	FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	CITY	STATE OR COUNTRY	ZIP CODE
103	FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	CITY	STATE OR COUNTRY	ZIP CODE

LISTING OF INVENTORS CONTINUED ON PAGE 2 HEREOF: ☒ YES ☐ NO

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine, imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of this application or any patent issuing thereon.

SIGNATURE OF INVENTOR 101*	SIGNATURE OF INVENTOR 102*	SIGNATURE OF INVENTOR 103*
DATE	DATE	DATE

SEE PAGE 2 ATTACHED, SIGNED AND MADE A PART HEREOF: ☐ YES ☐ NO

\*Where use of Page 2 of this Declaration is necessary, only Page 2 is signed

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DECLARATION A POWER FATT RNEY - Page 2

ATTORNEY'S DOCKET NO.  
JONES DAY 3.0-001 F

PRIOR FOREIGN APPLICATION(S)			
COUNTRY	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIOR CLAIMED U.S. U.S.C.
			YES <input type="checkbox"/> NO <input type="checkbox"/>
			YES <input type="checkbox"/> NO <input type="checkbox"/>
			YES <input type="checkbox"/> NO <input type="checkbox"/>
			YES <input type="checkbox"/> NO <input type="checkbox"/>
			YES <input type="checkbox"/> NO <input type="checkbox"/>

LISTING OF APPLICANTS - CONTINUED FROM PAGE 1, AND MADE A PART HEREOF

202	FULL NAME OF INVENTOR	LAST NAME Gabrielsen	FIRST NAME Odd	MIDDLE NAME Stokke
	RESIDENCE & CITIZENSHIP	CITY Oslo	STATE OR FOREIGN COUNTRY Norway	COUNTRY OF CITIZENSHIP Norway
	POST OFFICE ADDRESS	POST OFFICE ADDRESS Ullernvn 16	CITY Oslo	STATE OR COUNTRY Norway
203	FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE OR COUNTRY
204	FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE OR COUNTRY
205	FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE OR COUNTRY
206	FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE OR COUNTRY

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of any patent issuing thereon.

SIGNATURES OF APPLICANTS		DATE OF SIGNATURE
201	<i>Kjell M. Johnsen</i>	22 <sup>nd</sup> of October
202	<i>Edvard</i>	23 <sup>rd</sup> of October
203	<i>Tordis Beate Fjell</i>	24 <sup>th</sup> of October
204	<i>Odd S. Gabrielsen</i>	24 <sup>th</sup> of October 1989
205		
206		

A S S I G N M E N T

WHEREAS, KAARE M. GAUTVIK, a citizen of Norway, residing at Bregnevn-3, N-0875 Oslo, Norway; and PETER ALESTROM, a citizen of Sweden, residing at Bregnevn 21A, N-0875 Oslo, Norway, as assignors, have certain inventions disclosed and/or claimed in:

<u>Application No.</u>	<u>Filing Date</u>	<u>Title</u>
08/340,664	November 16, 1994	PRODUCTION OF HUMAN PARATHYROID HORMONE FROM MICROORGANISMS
08/463,222	June 5, 1995	PRODUCTION OF HUMAN PARATHYROID HORMONE FROM MICROORGANISMS
08/461,436	June 5, 1995	PRODUCTION OF HUMAN PARATHYROID HORMONE FROM MICROORGANISMS

AND WHEREAS, ASTRA AKTIEBOLAG, a corporation of Sweden, having a place of business at S-151 85 Sodertalje, SWEDEN, as assignee, is desirous of acquiring all right, title and interest in and to said inventions and any Letters Patent that may be granted therefor.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, we as assignors hereby sell, assign and set over to said assignee the entire right, title and interest for the United States of America and all other countries in and to said invention and the aforesaid application for Letters Patent, all original, divisional, continuation, substitute or reissue applications and patents applied for or granted therefor in the United States of America and all other countries, and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said inventions or resulting therefrom to said assignee herein, as assignee of the entire interest therein; and the undersigned for us and our legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all divisional, continuation, reissue and other applications for Letters Patent on said inventions and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said inventions, whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to aid assignee, its successors, assigns and nominees to obtain patent protection for said inventions in all countries, the expenses incident to said applications to be borne and paid by said assignee.

And we do hereby authorize our attorneys, to insert on this deed the filing date and serial number of said application when known.

10.12.97

Date

Kaare M. Gautvik  
KAARE M. GAUTVIK

Wenche Riiser  
Witness

WENCHE RIISER  
Advokat

10.13.97

Date

Peter Alestrom  
PETER ALESTROM

Wenche Riiser  
WENCHE RIISER  
Advokat